

REMARKS

Claims 1-14 are now present in this application.

The specification and claims 4 and 8 have been amended, and claims 12-14 have been presented. Reconsideration of the application, as amended, is respectfully requested.

Claims 1-3 stand rejected under 35 USC 103 as being unpatentable over the admitted prior art in view of Ozolins, U.S. Publication 2004/0100447. This rejection is respectfully traversed.

Claims 4-7 stand rejected under 35 USC 103 as being unpatentable over the admitted prior art in view of Ozolins in view of Levin et al., U.S. Publication 2004/0100440. This rejection is respectfully traversed.

Claims 8-11 stand rejected under 35 USC 103 as being unpatentable over the admitted prior art in view of Ozolins and further in view of Venkidu et al., U.S. Patent 5,623,274. This rejection is respectfully traversed.

The present application is directed to a keyboard for displaying host computer conditions to display information including temperature of the central processing unit of the computer and rotation speed of a radiator fan. This keyboard includes a standard keyboard having a plurality of button keys for entering digital data. A keyboard micro-control unit is provided for generating digital codes corresponding to each of the button keys and transferring the digital codes to a host which connects to the keyboard. Information signals are received from the host, including the temperature of the host and the temperature speed of the radiator fan. A display device is located on the input operation side of the keyboard, and a display micro-control unit will actuate the display device to display the CPU temperature and the rotation speed of the radiator fan based on

the information signals of the CPU temperature and the rotation speed of the radiator fan transferred from the keyboard micro-control unit.

The Examiner has noted the admitted prior art. As discussed in the paragraph beginning on page 2, line 11, conventional CPUs have various sensors for detecting temperature. Software or hardware is used to display the temperature on a display terminal. Thus, the temperature is not displayed on the keyboard itself. There is no suggestion in the prior art to have such displays on the keyboard.

The Examiner, recognizing this deficiency, has turned to the Ozolins patent. This patent is directed to a computer keyboard with a processor for audio and telephony functions. A display 106 is provided on the face of the keyboard. However, there is no suggestion to display host operating conditions, such as temperature of a central processing unit and rotation speed of the radiator fan. In the present invention, it is recognized that there are certain benefits with displaying such conditions on the keyboard. For example, it can be readily visible. When it is displayed on the CPU display, it can become hidden or invisible. Users will have to select through a pointing device such as a mouse when they want to see this information. Thus, it is not convenient for use. By the present design, users can instantly get the information such as temperature of the CPU and hard disk drives and the rotation speed of the radiator fan on the visible portion of the keyboard, without resorting to operation software. Users can connect the keyboard of the present keyboard to different types of hosts and instantly read CPU temperature and rotation speed of the radiator fan.

Apart from this display of certain information on the keyboard, the present invention further provides for a rotation speed regulator which is also located on the keyboard. This is

brought out in dependent claims 4-7 and 13, for example. The Examiner has turned to the patent to Levin to allege that it would be obvious to includes such controls on the keyboards. However, Levin merely discloses a control knob with multiple degrees of freedom and force feedback. There is no teaching to put such controls on a keyboard.

In addition, the present invention provides for alarms. For example, in dependent claim 8, an alarm is provided. The Examiner has turned to the Venkidu disclosure, but this is merely a front-panel indicator using a serial link for a PC. It is noted that a dependent claim 14 brings out that the alarm is located on the keyboard adjacent to the at least one button which is used for regulation of the rotation speed. Thus, dependent claim 14 requires the keyboard itself to have a centrally located display adjacent an upper edge of the keyboard. This keyboard also would have at least one button for regulation of the rotation speed and an alarm all located on the keyboard itself. This is simply not shown in the utilized prior art.

Nonetheless, it is respectfully submitted that independent claim 1 sets forth a keyboard which is neither suggested nor rendered obvious by the utilized prior art. As such, it is respectfully requested that the 35 USC 103 rejections now be reconsidered and withdrawn.

Favorable reconsideration and an early Notice of Allowance are earnestly solicited.

In the event that any outstanding matters remain in this application, the Examiner is invited to contact the undersigned at (703) 205-8000 in the Washington, D.C. area.

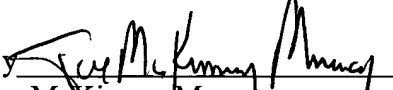
Application No. 10/668,197
Amendment dated June 21, 2006
Reply to Office Action of March 21, 2006

Docket No.: 2450-0543P

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. §§ 1.16 or 1.17; particularly, extension of time fees.

Dated: June 21, 2006

Respectfully submitted,

By 

Joe McKinney Muncy

Registration No.: 32,334

BIRCH, STEWART, KOLASCH & BIRCH, LLP

8110 Gatehouse Road

Suite 100 East

P.O. Box 747

Falls Church, Virginia 22040-0747

(703) 205-8000

Attorney for Applicant